

## STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

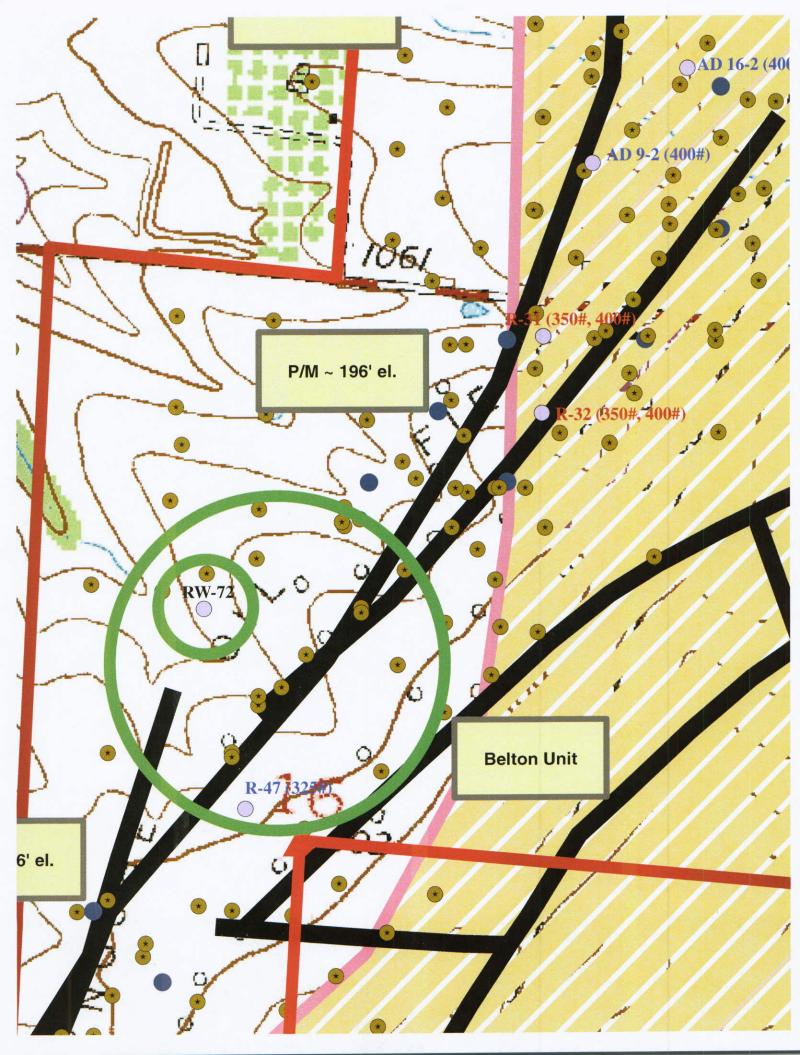
## INJECTION WELL PERMIT APPLICATION

(TO DRILL, DEEPEN, PLUG BACK, OR CONVERT AN EXISTING WELL)

	NOTE ▶	Permit approval freviewed and offi			tion. Approva	al or denial	for injection	on determine	ed after	Mechani	cal Integ	rity Test r	esults
		CATION TO DRIL	.L 🗆	DEEPEN	☐ PLI	UG BACK		FOR AN	OIL WI		□ OI	R GAS V	VELL
		PANY OR OPERATOR Source Exploratio	n & Develop	ment, LLC						06/30/2	2012		
	ADDRESS 9393 W 110	th Street, Suite 5	500			Overland	d Park			STATE KS	1000000	P CODE 6210	
	DESCRIPT NAME OF LEAS	ION OF WELL A	ND LEASE			WELL NUM	IBER		40	ELEVATION	ON (GROU	IND	
	Belton Unit					RW-72				1070'			
~	WELL LOCATIO	N 385	1 4 500 [	J North M C	(GIVE FOOTA	ine 3199	/	s) m 🗹 East [	7 Most	soction li	ino		
0,0	WELL LOCATIO		Tt. from [	_ North <b>∠</b> S	outh section i	LATITUDE	11. 110	LONGITUDE	_ vvest	COUNTY			
50		Township 46 No				_		W94 34' 41.	671"	Cass	03	57	COLAL
3 1		STANCE FROM PRO ROM PROPOSED LO							THE SAI	MELEASE	10	PEET PR	ECIAL
230 below 7	PROPOSED DE	PTH ROTARY OR C	ABLE TOOLS	DRILLING CON	TRACTOR, NAME	AND ADDRE	SS	N WELL OIL	THE OAI		APPROX. 07/30/2	DATE WOR	K WILL START
122	NUMBER OF AC		MBER OF WEL		INCLUDING TH	HIS WELL, C	OMPLETE	D IN OR DRIL	LING T	O THIS RE	SERVOIR	R 124	
SIL	560	NU	MBER OF ABA	NDONED WEL	LS ON LEASE	0				_			
(F/Z	NAME DE E	RCHASED WITH ONE  Exploration  595 Highway K3			, FROM WHOM	I PURCHAS	ED?		NO. 0	F WELLS	IN I	DDUCING IJECTION NACTIVE NDONED	71 44 8 0
	STAT	US OF BOND	10000	GLE WELL		2		KET BOND NT \$ 160,0	00 /		ZO	N FILE	D
		THIS IS AN APPLICATIC IE; USE BACK OF FORM	( IF NEEDED)										
	AMOUNT	PROPOSE	D CASING PR	/T/FT	CEM.	AN	OUNT	D CASING -			VT/FT	TE GEOLG	CEM.
	20'	7"		14	8 sks	70		7"			14_	CI	Lalla
	650'	2 7/8"		6.5	100 sks	65	0	23/8	,,	(	0.5	1011	Taigh.
	I the Unde	rsigned, state that	at I am the	COO of the	KREd (Co	mpany), a	ind that I	am author	ized b	y said co	mpany	to make	this
	report, and	that this report we the best of my k	as prepared	d under my s	supervision a	and directi	on and t	hat the fact	ts state	ed therei	n are tri	ue, corre	ct, and
	SIGNATURE	BIL								DATE	10	12	
	PERMIT NUMBE	20981			DRILLER'S L					S REQUIR			
	APPROVED DA	12-20	-12	· ///	CORE ANALY  SAMPLES RE  SAMPLES NO  WATER SAM	EQUIRED OT REQUIRE	ED.		DRILL	SYSTEM 1	FEST INF	O REQUIR	ED IF RUN
	NOTE >	THIS PERMIT THIS PERMIT MERITS OF TH	BY THE OIL	SFERABLE AND GAS SED WELL	TO ANY OT COUNCIL D NOR ENDOR	HER PER OOES NOT RSEMENT	RSON OF CONST	R TO ANY ( FITUTE EN E QUALIFI	DORS	SEMENT ONS OF	OF TH	IE GEOL	OGIC
	NOTE ►	THIS PERMIT MERITS OF TH	BY THE OIL	AND GAS	COUNCIL D	OES NOT	CONST OF TH	FITUTE EN E QUALIFI	DORS	SEMENT ONS OF	OF TH	E	GEOL

ONE	(1)	COPY	WILL	BE	RETURNED
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I. Leech of the Utah (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative. DRILLER'S SIGNATURE PROPOSED OPERATIONS DATA PROPOSED AVERAGE DAILY INJECTION. PRESSURE 300 PSIG, RATE .035 VOLUME 50 APPROVED AVERAGE DAILY INJECTION. (TO BE FILLED IN BY STATE GEOLOGIST) PRESSURE 300 PSIG, RATE .D. BPD/GPM, VOLUME BBL/GAL PROPOSED MAXIMUM DAILY INJECTION, PRESSURE 300 PSIG. RATE BBLAGAL APPROVED MAXIMUM DAILY INJECTION, (TO BE FILLED IN BY STATE GEOLOGIST) PRESSURE 500 PSIG, RATE 1035 BPD/GPM, VOLUME 5D BBL/GAL ESTIMATED FRACTURE PRESSURE GRADIENT OF INJECTION ZONE 0.43 PSI/FOOT DESCRIBE THE SOURCE OF THE INJECTION FLUID Squirrel sandstone produced water and rural water SUBMIT AN APPROPRIATE ANALYSIS OF THE INJECTION FLUID. (SUBMIT ON SEPARATE SHEET) NOTE > DESCRIBE THE COMPATIBILITY OF THE PROPOSED INJECTION FLUID WITH THAT OF THE RECEIVING FORMATIONS, INCLUDIUNG TOTAL DISSOLVED We have been using these injection fluids since the waterflood began with no issues. The formations respond to injection fluids. The injection fluids consist of recycled formation water and fresh water. GIVE AN ACCURATE DESCRIPTION OF THE INJECTION ZONE INCLUDING LITHOLOGIC DESCRIPTIONS, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY, The upper, middle, and lower Squirrel Sandstone depth ranges from 500-600 feet with an average thickness of 90 feet. The upper Squirrel is generally 30 feet thick with 21% average porosity and 172 millidarcy's average permeability. The middle Squirrel is generally 20 feet thick with 22% average porosity and 1,000 millidarcy's average permeability. The lower Squirrel is generally 40 feet thick with 20.5% average porosity and 593 millidarcy's average permeability. GIVE AN ACCURATE DESCRIPTION OF THE CONFINING ZONES INCLUDING LITHOLOGIC DESCRIPTION, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY, The confining layers of the Squirrel Sandstone consist of the the Fort Scott group above the sandstone and the Verdigris formation below the sandstone. The Fort Scott contains two prominent shales, the Blackwater Creek and the Excello, as well as the Blackjack Creek limestone that has a total thickness of 30-50 feet. The Verdigris formation consists of the the Ardmore limestone member and the Oakley shale with a total thickness of 20-40 feet. The zones are impermeable at less than 3% porosity. SUBMIT ALL AVAILABLE LOGGING AND TESTING DATA ON THE WELL GIVE A DETAILED DESCRIPTION OF ANY WELL NEEDING CORRECTIVE ACTION THAT PENETRATES THE INJECTION ZONE IN THE AREA OF REVIEW (1/2 MILE RADIUS AROUND WELL). INCLUDE THE REASON FOR AND PROPOSED CORRECTIVE ACTION. No corrective action needed.



## RECEIVED

AUG 06 2012

FORM OGC-41



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL LOCATION PLAT

Mo Oil & Gas Council

OWNER'S NAME				
Kansas Resource Exploration & Deve	elopment, LLC (K.R.E.D)			
LEASE NAME			COUNTY	
Belton Unit - RW-72  WELL LOCATION	(GIVE FOOTAGE FROM	SECTION LINES)	Cass	
	North ✓ South section line		ast  West section	lino
WELL LOCATION	Volum V South Section line	II. IIOIII 🛂 L	astvvest section	Time
Sec. 16 Township 46 North Ran	ige <u>33</u> ☐ East <b>☑</b> We	st		
N38° 48' 46.383"		W94° 34' 41.671"	1	7
		1,6071.		
		100		
			Belton	unit
NI		PW-12		
1.4	100	2W-772 191		31
Å	785			1
<b>A</b>		2W-73		
▲ /				
<b>1</b>				
			Clark	Berry
				J
REMARKS				
Section 16 is an irregular section and	larger than one square mile.	3851		
Diet Man Cools 1 Square = 692 25 f	oot			
Plat Map Scale - 1 Square = 682.25 fe	Jet /			
	•			
INSTRUCTION	ONS	This is to certify that I had locate oil and gas wells	ave executed a sun in accordance with	ey to accurately
On the above plat, show distance of t	the proposed well from the	that the results are corre	ectly shown on the	above plat.
two nearest section lines, the nearest	t lease line, and from the			
nearest well on the same lease comp	leted in or drilling to the			
same reservoir. Do not confuse surv See rule 10 CSR 50-2.030 for survey	requirements. Lease lines			
must be marked.				
REGISTERED LAND SURVEY			NUMBER	
THE TEST LINE (SEE AL)	ALCOPY TO STATE OF AND CAS COLD	ICIL DO DOV SED DOLLA MO CEADO	E72 269 2442	



## Missouri Department of Natural Resources

Geographic Information Systems





## Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

Submit

 Universal Transverse Mercator [Zone 15 North]

Easting

362974.2895283497

meters

Northing

4297195.509912005

meters

Decimal Degrees

Latitude

38.81288416666666

Longitude

-94.5782419444444

Degrees, Minutes and Seconds

Latitude Degrees

Latitude Minutes

48

Latitude Seconds

46.383

Longitude Degrees

**Longitude Minutes** 

Longitude Seconds

41.671

## Metadata

- · Interstate Highways
- · US Highways
- State Highways
- Railroad
- · Major and Minor Roads
- · County Boundary
- Lakes
- Major Rivers
- · Rivers and Streams
- · Missouri River
- · Mississippi River
- Municipal

UTM Zone 15N [Easting, Northing] Decimal Degrees [Lat, Lon] Deg, Min, Sec [Lat, Lon] **County Name** 

**County FIPS Code Legal Description** 

Municipality **House District** Senate District

Congressional District **MoDNR Region** 

USGS 1:24,000 Quadrangle

8 Digit Watershed 10 Digit Watershed

12 Digit Watershed Special Well Drilling Area

**Ecological Drainage Unit** Level III Ecoregion

**Query Time** 

[ 362974.2, 4297195.5 ] meters [ 38.812884°, -94.578242° ] [ 38° 48' 46.3", -94° 34' 41.6" ]

Cass 037

Section 16 T46N R33W

NO VALUE 123 31

Kansas City Regional Office

Belton [38094-G5]

10300101 [Lower Missouri-Crooked]

1030010101 [Blue River]

103001010104 [Camp Branch-Blue River]

Area 2

Central Plains/Blackwater/Lamine

Central Irregular Plains

5.859 s

Rows with red text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 1069

Jell ID: #02655

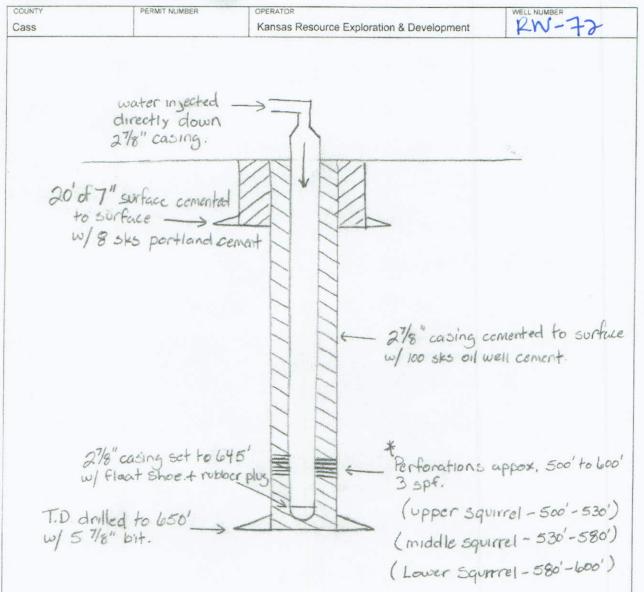
1070-535-345⇒ 190° elev



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

INJECTION WELL SCHEMATIC

OGC-11



INSTRUCTIONS ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCUDING THE FOLLOWING: CONFIGURATION OF WELLHEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING, AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME AND DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK IF ADDITIONAL SPACE IS NEEDED, OR ATTACH SHEET.

The surface casing is 7" in diameter and is new, limited service grade pipe. The 7" is drifted and tested to 7,000 lbs. and weighs at least 17 lbs. per foot. The surface casing will be set to a minimum depth of 20 feet and extend 6 inches above the surface. Approximately 8 sacks of Portland cement will be circulated to surface and will secure the well and ensure the contents of the well bore are sealed off from sources of drinking water. The production casing used is 2 7/8" EUE upset, drifted and tested to 7,000 lbs. No tubing will be ran in the injection wells, the injection fluid will be injected directly down the 2 7/8" casing. The total depth of the well will be approximately 650 feet drilled with a 5 5/8" bit. A 2 7/8" flapper type float shoe will be set at the base of the 2 7/8" casing pipe (645 feet) with centralizers installed to center the casing inside the well bore for better cement bonding. The 2 7/8" casing will be cemented from 650 feet to surface using a 2 7/8" rubber plug for displacing the cement. Approximately 100 sacks of high-grade Oil Well cement will be used to cement all wells. This cement will ensure that no contents of the pipe will leave the well bore. The top of the 2 7/8" casing will extend approximately one foot above ground level. After the cement has cured and effectively bonded to the 2 7/8" casing, perforations will be made in the Squirrel Sandstone formation from approximately 500-600 feet, depending on where the oil sand is present at this particular location. Wells will be shot with 3 perforations per foot where the squirrel sandstone oil reservoir is present and capable of water injection. No water sources are present at this depth and will not be affected by these perforations or the injection. The relevant sources of drinking water are located less than 20 feet below surface. The 7" surface pipe and durable Portland cement ensures these water sources will remain free from contamination from drilling and injection activity. Other sources of potential usable water may be present, however not always potable, in the Pennsylvanian and Mississippian formations located approximately 150 feet or deeper below the base of the Squirrel Sandstone.

The lithology of all formations penetrated by the wellbore are as follows:

<u>Formation</u>	Total Depth (feet)
Soil	0-2
Clay	2-6
Lime	6 – 28
Shale	28 – 49
Lime	49 – 64
Shale	64 – 69
Red Bed	69 – 78
Shale	78 – 82

Lime	82 – 87	
Shale	87 – 105	
Gray Sand	105 – 124	
Shale	124 – 128	
Lime	128 – 130	
Shale	130 – 147	
Lime	147 – 177	
Shale (Slate 183 – 184)	177 – 186	
Lime	186 – 204	
Shale (Slate 207 – 208)	204 – 209	
Lime	209 – 211	
Shale	211 – 214	
Lime "Hertha"	214 – 220	Top Pawnee Limestone
Shale	220 – 259	
Lime	259 – 260	
Gray Sand "Knobtown"	260 – 262	
Shale	262 – 324	
Gray Sand	324 – 329	
Shale	329 – 358	
Gray Sand	358 – 362	Base Pawnee Limestone
Shale	362 – 399	Top Labette Shale
Lime	399 – 401	
Shale	401 – 404	
Lime	404 – 406	
Shale (Slate 411 – 412)	406 – 417	
Lime	417 – 424	
Shale	424 – 427	
Gray Sand	427 – 431	Base Labette Shale

Shale	431 – 443	Top Fort Scott
Lime	443 – 448	· BlackJack Creek Limestone
Shale (Slate 452 – 453)	448 – 469	Summit Coal
Gray Sand	469 – 471	Base Fort Scott
Sdy. Shale	471 – 501	
Very laminated Sand	501 – 502	Top - Squirrel Sandstone
Sandy Lime	502 - 503	, and an aniconc
Slightly lamin. Sand	503 – 504	
Sandy Lime	504 – 505	
Solid Sand	505 – 506.5	
Shale	506.5 – 507	
Slightly lamin. Sand	507 – 507.5	
Sandy Shale	507.5 – 509.5	
Solid Sand	509.5 - 510.5	
Sandy Lime	510.5 - 511.5	
Solid Sand	511.5 – 515.5	
Sandy Lime	515.5 – 518	
Solid Sand	518 – 520	
Sandy Lime	520 - 521	
Solid Sand	521 – 525	
Sandy Lime	525 – 526	
Laminated Sand	526 – 527	
Sandy Shale	527 – 528.5	
Sandy Lime	528.5 - 530	
Solid Sand	530 – 533	
Sandy Lime	533 – 534	
Sandy Shale	534 – 535	
Slightly laminated Sand	535 - 536.5	

Sandy Lime	536.5 – 538	
Solid Sand	538 – 539	
Lime and Shells	539 – 541	
Sand lamin. w/ Sandy Lime	541 – 542	
Lime and Shells	542 – 543	
Solid Sand	543 – 544.5	
Sandy Lime and Shells	544.5 – 547.5	
Sand and Shells	547.5 – 548.5	
Lime and Shells	548.5 – 552	
Solid Sand	552 – 553	
Lime and Shells	553 – 555.5	
Sand and Shells	555.5 – 559.5	
Lime and Shells	559.5 – 563.5	
Solid Sand	563.5 - 582.5	
Slightly laminated	582.5 - 583.5	
Shale and Shells	583.5 – 587.5	
Solid Sand	587.5 – 590.5	
Sand and Shells	590.5 - 591.5	
Solid Sand	591.5 – 593	
Lime	593 – 593.5	
Very laminated Sand	593.5 – 596	Base – Squirrel Sandstone
Shale (Slate 610 – 611)	596 - 616	Top – Verdigris
Lime	616 – 617	Ardmore Limestone
Shale (Slate 621 – 622)	617 – 650	Oakley Shale

Re: Closure Pressure

Attached is a reproduction from "Production Operations, Vol. 2" by Allen and Roberts describing the fracturing pressures in a reservoir.

The fracture propagation pressure is approximately the same as the closure pressure, although slightly higher. This difference is less significant in low pressure reservoirs such as the ones in the Cherokee Basin, consequently, they are considered to be the same. The fracture propagation pressure is the same as the instantaneous shut-in pressure (ISIP) experienced upon cessation of a hydraulic fracture treatment. The ISIP from a fracture procedure is the surface pressure measurement. Bottom-hole ISIP must be calculated by adding the surface ISIP and the product of the depth to mid-perforations (feet) and the pressure gradient of the fluid in the wellbore (psi/foot). For fresh water the fluid gradient is 0.434 psi/foot. Since the fluid in fracture operations is more dense than fresh water most engineers estimate the bottom-hole ISIP with a higher gradient. The state of Oklahoma uses a gradient of 0.50 psi/foot.

Utilizing ISIP's experienced at Belton, and a fresh water gradient of 0.434, the calculated bottom-hole ISIPs are:

WELL	DEPTH TO MID-PERF	ISIP (Surface)	ICID (D. C.)
R32	626		ISIP (Perfs)
R32	585	400	672
R31		350	604
	600	400	660
R31	552	350	640
R47	620	325	594
AD20	536	400	
AD20	582.5		633
AD9-2	610	400	653
AD9-2		400	665
	507	400	620
AD16-2	544	400	636

The fracture propagation pressure is the pressure in which the aperture of the existing fractures can begin to be opened. An increase in injection rate is noted at this point on injection step-rate tests. At injection pressures at, or slightly above, the ISIP, the fractures in the immediate vicinity of the wellbore (inches) may be affected but not into the reservoir significantly. In actual injection operations of a waterflood at ISIP, fractures wouldn't be created beyond the region adjacent to the wellbore because of; 1) fluid leak-off into the formation, 2) the injection of a low viscosity fluid, and 3) the extremely low injection rates - far less than what is necessary to create a fracture.

minimum stress at the borehole, and must also overcome the tensile strength of the rock. This can be expressed as follows:

$$(P_i)_{\nu} = 3 \, \tilde{\sigma}_{h_2} - \tilde{\sigma}_{h_1} + S_h + P$$
 (5)

where:

(P<sub>i</sub>), = borehole pressure required to initiate vertical fracture

 $\tilde{\sigma}_{s_i} = \text{maximum principal horizontal matrix}$ stress

 $\tilde{\sigma}_{h_2} = \text{minimum}$  principal horizontal matrix stress

 $S_h$  = horizontal tensile strength of rock

P =formation pore pressure

Penetrating Fluid Reduces Breakdown Pressure— A penetrating fluid increases the area over which pressurized fluid contacts the formation and can reduce the pressure necessary to initiate fracturing.

Laboratory and theoretical work by Fairhurst and Haimson<sup>21</sup> provides a basis for estimation of the magnitude of reduction in openhole. Generally reduction may be on the order of 25 to 40% in openhole.

Perforation Density and Orientation—Recent laboratory work in cased hole shows that breakdown or frac initiation pressure is affected by the number and arrangement of perforations.<sup>25</sup>

The existence of casing and the arrangement of perforations have little effect on created fracture orientation, but breakdown pressure is reduced by increased number of perforations. The practice of perforating with all shots in a vertical line on one side of the casing, Figure 8-6 significantly increases

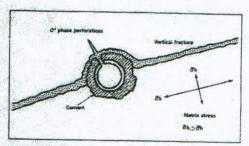


FIG. 8-6—Orientation of perforation vs. least horizontal matrix stress. Condition resulting in highest breakdown pressure.

breakdown pressure if the perforations happen to be oriented 90° to the azimuth of the vertical fracture plane. Orientation of perforations does not affect azimuth of the vertical fracture however.

## Fracture Propagation

Once the fracture has been created and invaded by pressured fluid, the stress concentration near the wellbore is reduced, and the hydraulic pressure required to extend the fracture must merely overcome the component of the undisturbed stress field normal to the plane of the fracture.

Measuring Propagation Pressure and Frac Gradient—The fracture propagation pressure (and frac gradient) can be obtained during the fracing operation by recording the wellhead pressure immediately after the pumps are shut down following injection into the fracture (Figure 8-7). Since the frac gradient is increased by increased pore pressure, this measurement should be made before the pore pressure is significantly raised by the injected frac fluid.

Wellhead instantaneous shut-in pressure, corrected to the hole bottom by adding the hydrostatic pressure of the wellbore fluid column, is the fracture propagation pressure. Fracture gradient is the fracture propagation pressure divided by the formation depth.

Measuring Rock Matrix Stress—The minimum horizontal rock matrix stress is then:

 $\tilde{\sigma}_{k_i}$  = propagation pressure - pore pressure

This stress is of particular interest because it is the stress which propping agents must withstand in order to hold the fracture open. In actual practice pore pressure can be equated to static reservoir pressure provided fracture propagation pressure is measured before significant frac fluid is injected to raise the pore pressure level near the wellbore.

It should be noted that proppant in the critical area near the wellbore is subjected to more stress than that further away due to lower pore pressure near the wellbore in the producing process, Figure 8-8. This effect may be significant at high drawdown pressures.

## Fracture Orientation

Fracture Propagates Perpendicular to Smallest Stress-Rocks fracture in a plane perpendicular to Belton Unit, Cass County, Missouri

Re: Injection Volumes

Injection volumes are determined by using analogy from previous squirrel sandstone water floods that contain similar reservoir characteristics. In the case of the Belton Unit we plan to inject 1 barrel of water for every 1 net foot of oil bearing sandstone. (assuming this rate does not exceed the maximum approved injection pressure) Depending on the duration and impact of the surrounding wells some injection wells may ultimately inject 3 barrels of water for every 1 net foot of oil bearing sandstone.

Due to the permeability variance of the reservoir we typically will not exceed 15' of perforations per injection well.

Example;

Year 1

15' perforations x 1 bbl/ft = 15 BPD injection rate

Year 2

15' perforations x 2 bbls/ft = 30 BPD injection rate

Year 3

15' perforations x 3 bbls/ft = 45 BPD injection rate

We typically do not exceed 3 bbls/ft injection rate, which is why we are requesting only 50 BPD rate.

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	Belton Unit	LEASE WELL NO.
	R-9	R-8	R-7	R-6	R-5	R-4	R-3	R-2	R-1	WELL NO.
SEC. 16 T. 46 N.R. 33W	ROM(E)(S)	1023-FROM (M)S) SEC LINE 2371-FROM (E) (M) SEC LINE SEC. 16 T.46 N.R. 33W	571 FROM()(S) SEC LINE 201 FROM (E)()SEC LINE SEC. 16 T. 46 N.R. 33W	171 FROM(N)(S) SEC LINE 2890 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	168 FROM(NS) SEC LINE 240 6 FROM (E)(8) SEC LINE SEC. 16 T. 46 N.R. 33W	2012 FROM (B) (S) SEC LINE 2012 FROM (E) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	2433 FROM (N)(S) SEC LINE 2433 FROM (E) SEC LINE SEC. 16 T 46 N.R. 33W	1484 FROM (N)S) SEC LINE 1424 FROM (E) (S) SEC LINE SEC. 16 T. 46 N.R. 33W	569_FROM(M)(S) SEC LINE 2412/FROM (E)(M) SEC LINE SEC. 16 T. 46 N.R. 33W	LOCATION
	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
	651'	655'	646'	608'	639'	680'	665'	600'	619'	DEPTH
	0	0	0	0	0	0	0	0	0	TYPE
	05/03/2000	05/05/2000	05/01/2000	04/27/2000	04/23/2000	03/02/2000	02/29/2000	06/04/1999	04/08/1999	SPUDDED
	05/05/2000	05/08/2000	05/02/2000	04/28/2000	04/25/2000	03/07/2000	03/02/0200	06/10/1999	04/13/1999	DATE
	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or completion of information, detailing the cement, casing, and subsurface casing information.

2 3/8" tubing 3/4" rods and insert pump	01/09/2004	01/07/2004	0	914.5	K.R.E.D	FROM (E) SEC LINE	R-18	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	01/30/2004	01/29/2004	0	686	K.R.E.D	SEC. 16 T. 46 N.R. 33W	R-17	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	10/15/2003	10/13/2003	0	652.5'	K.R.E.D	2548 FROM (E) SEC LINE 2548 FROM (E) SEC LINE SEC. 16 T 46 N.R. 33W	R-16	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	12/20/2000	12/15/2000	0	621'	K.R.E.D	573 FROM (N)(S) SEC LINE 5735 FROM (E)(M)SEC LINE SEC. 16 T.46 N.R. 33W	R-15	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	09/19/2001	09/17/2001	0	637'	K.R.E.D	174 FROM (1) S) SEC LINE (2336) FROM (E) (1) SEC LINE SEC. 16 T.46 N.R. 33W	R-14	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	05/24/2000	05/22/2000	0	620'	K.R.E.D	943 FROM (E) (6) SEC LINE 963 FROM (E) (6) SEC LINE SEC. 16 T. 46 N.R. 33W	R-13	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	05/18/2000	05/16/2000	0	642'	K.R.E.D	FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	R-12	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	05/12/2000	05/10/2000	0	626'	K.R.E.D	567 FROM (N)(S) SEC LINE  SEC. 16 T. 46 N.R. 33W	R-11	Belton Unit
4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	05/16/2000	05/15/2000	0	627'	K.R.E.D.	1005 FROM (N) (S) SEC LINE (1930) FROM (E) (W) SEC LINE (SEC. 16 T. 46 N.R. 33W	R-10	Belton Unit
CONSTRUCTION	COMPLETED	SPUDDED	TYPE	DEPTH	OWNER	LEASE WELL LOCATION OWNER DEPTH	WELL NO.	LEASE

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Belton Unit RI-2	75	Belton Unit RI-1	Belton Unit R-25	Belton Unit R-24	Belton Unit R-23	Belton Unit R-22	Belton Unit R-21	Belton Unit R-20	Belton Unit R-19 2010 <sub>F</sub> Sec. <u>16</u>	LEASE WELL LOCATION OWNER DEPTH TYPE SPUDDED
SEC. 16 T. 46 N.R. 33W	795 FROM (N)(S) SEC LINE	368 FROM (B) (8) SEC LINE 264 FROM (E) (8) SEC LINE SEC. 16 T. 46 N.R. 33W	3320 FROM (NY) SEC LINE 2015 FROM (B) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	3370FROM ( <b>((6)</b> ) SEC LINE 24175FROM <b>(B</b> (W) SEC LINE SEC. 16 T. 46 N.R. 33W	SEC. 16 T. 46 N.R. 33W	FROM (N) SEC LINE (N) SEC LINE (N) SEC LINE (N) SEC LINE (N) SEC. 16 T. 46 N.R. 33W	2015 FROM (N) SYSEC LINE 2015 FROM (By/W) SEC LINE SEC. 16 T. 46 N.R. 33W	1380 FROM (N)(S) SEC LINE (N) SEC. 16 T. 46 N.R. 33W	132 FROM (S) SEC LINE 2010 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	LOCATION
K.R.E.D		K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D	K.R.E.D.	OWNER
627'		623'	660'	658'	660'	660'	635'	661'	621.5'	DEPTH
_		Plugged	0	0	0	0	0	0	0	TYPE
	=	07/26/2000	U	01/25/2008	C	12/04/2008	01/14/2008	01/18/2008	02/12/2004	SPUDDED
	•	08/31/2000	2/8	ZP	で)ア	7/7	01/16/2008	01/22/2008	02/13/2004	COMPLETED
	4 1/2" casing cemented to surface	Plugged 6)27/17 - STURES CONNECTED TO SUFFING	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump	CONSTRUCTION

## INSTRUCTIONS

In the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other - specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

completion of information, detailing the cement, casing, and subsurface casing information.

								MO 780-1136 (02-11)
4 1/2" casing cemented to surface	01/15/2004	01/13/2004	-	647.5'	K.R.E.D	ROM (E) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	RW-9	Belton Unit
4 1/2" casing cemented to surface	02/13/2004	02/12/2004	_	641.5'	K.R.E.D	SEC. 16 T.46 N.R. 33W	RW-8	Belton Unit
Plugged 6127112-Squeezed	02/11/2004	02/10/2004	P) ugged	638'	K.R.E.D	374 FROM()(S) SEC LINE 3115 FROM (E)() SEC LINE SEC. 16 T. 46 N.R. 33W	RW-7	Belton Unit
Squeezed	C	U	Plugged	571'	K.R.E.D	110 FRO 134 FRO SEC. 16	C-18	Belton Unit
	04/14/2001	04/16/2001	٤	891'	K.R.E.D	2 2	wsw-	Belton Unit
4 1/2" casing cemented to surface  Plung sed 6/27/12 - Spuel red  Plung sed 6/27/12 - Spuel red	C	<	Physica	644'	K.R.E.D	367 FROM (NS) SEC LINE 318 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	RI-6	Belton Unit
4 1/2" casing cemented to surface	C	C	-	637'	K.R.E.D	790_FROM (0)(S) SEC LINE 2190_FROM (E)(W) SEC LINE SEC. 16_T. 46_N.R. 33W	RI-5	Belton Unit
4 1/2" casing cemented to surface	08/29/2000	08/25/2000	-	641'	K.R.E.D	137 FROM(N/S) SEC LINE 230 FROM (E) SEC LINE SEC. 16 T. 46 N.R. 33W	RI-4	Belton Unit
4 1/2" casing cemented to surface	ح	C	-	635'	K.R.E.D.	211 FROM (N) (S) SEC LINE 2612 FROM (E) © SEC LINE SEC. 16 T. 46 N.R. 33W	RI-3	Belton Unit
CONSTRUCTION	DATE COMPLETED	DATE SPUDDED	TYPE	DEPTH	OWNER	LOCATION	WELL NO.	LEASE

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Comprosion					Control Control	DATE	DATE	CONSTRUCTION
LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit	RW-10	RW-10 FROM (E) SEC LINE  SEC 16 T 46 N.R. 33W	K.R.E.D.	678'	-	02/02/2004	02/03/2004	4 1/2" casing cemented to surface
Belton Unit	RW-11	FROM (E) (WESC LINE RW-11 878.2) FROM (E) (WESC LINE SEC. 16 T. 46 N.R. 33W)	K.R.E.D	652'	_	02/04/2004	02/06/2004	4 1/2" casing cemented to surface
Belton Unit	RW-13	<b>3472</b> FROM (B)(S) SEC LINE RW-13 (B) SEC LINE SEC 16 T 46 N.R. 33W	K.R.E.D	697'	-	02/06/2004	02/09/2004	4 1/2" casing cemented to surface
Belton Unit	RW-15	<b>2480</b> FROM (N) SEC LINE RW-15 <b>265</b> FROM (P) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	660'	_	11/26/2008	N/A	4 1/2" casing cemented to surface
Belton Unit	RW-16	<b>825</b> FROM (N) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	660'	_	12/02/2008	ひ/み	4 1/2" casing cemented to surface
Belton Unit	RW-19	3540 FROM (NYS) SEC LINE RW-19 1925 FROM (B) (M) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	661'	-	12/08/2008	2/8	4 1/2" casing cemented to surface
Belton Unit	AD-1	0 0	K.R.E.D	615'	0	12/03/2007	01/04/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-2	220 FROI 2000 FROI SEC. 9	K.R.E.D	657'	0	12/06/2007	12/10/2007	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	AD-3	3800FRO	K.R.E.D	637'	0	08/31/1987	C	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump

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Compication			-			DATE	DATE	CONSTRUCTION
LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	
Belton Unit	AD-4	1220 FROM (N) SEC LINE	K.R.E.D.	666'	0	07/14/1987	07/16/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
_		SEC. 9 T. 46 N.R. 33W						
Bolton Unit	AD-5	FROM (E)	K.R.E.D	679'	0	06/21/1987	06/25/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						•
Belton Unit	AD-6	FRO	K.R.E.D	708'	0	01/31/2008	02/19/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33VV						a della company
Belton Unit	AD-7	2981 FROM (NS) SEC LINE	K.R.E.D	630'	0	12/12/2007	12/14/2007	2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-8	70 70	K.R.E.D	622'	0	05/14/1999	05/27/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						
Belton Unit	AD-9	FROM (NO)	K.R.E.D	662'	Plugged	08/25/1987		4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/04/2012
		SEC. 9 T. 46 N.R. 33VV						
Belton Unit	AD-10	FROM (N)	K.R.E.D	659'	0	05/25/1987	07/21/1987	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		621 FROM (N)(S) SEC LINE						4 1/2" casing cemented to surface
	AD-11		K.R.E.D	665'	Plugged	C	<b>-</b>	Squeezed cement into formation to surface on 03/19/2012
Bellon Ollic	2	SEC. 9 T. 46 N.R. 33W				1987	1487	
Belton Unit	AD-12	FROM (N)	K.R.E.D	710'	0	01/23/2008	02/26/2008	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
		SEC. 9 T. 46 N.R. 33W						

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T. 46	AD-18 SEC. 9 T. 46 N.R. 33W  AD-18 SEC. 9 T. 46 N.R. 33W  SEC. 9 T. 46 N.R. 33W	AD-18 30D FROM (N) SEC LINE K.R.E.D 676.5' O 01/02/2008 02/26/2008 SEC. 9 T. 46 N.R. 33W SEC LINE K.R.E.D 656' O 09/11/2003 09/12/2003 SEC. 9 T. 46 N.R. 33W SEC. 9 T. 46 N.R. 33W SEC. 9 T. 46 N.R. 33W	1.46   NR.33W   NR.63W   SEC LINE   K.R.E.D   676.5'   O   01/02/2008   02/26/2008   SEC. 9   T.46   NR.33W   NR.63EC LINE   K.R.E.D   656'   O   09/11/2003   09/12/2003   SEC. 9   T.46   NR.33W   NR.63EC LINE   K.R.E.D   656'   O   09/11/2003   O9/12/2003   SEC. 9   T.46   NR.33W   NR.63EC LINE   K.R.E.D   650'   O   06/13/1999   O6/18/1999   O6/18/19/19/19/19/19/19/19/19/19/19/19/19/19/
30000		09/12/2003	09/12/2003

specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or e following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete

Belton Unit Belton Unit impletion of information, detailing the cement, casing, and subsurface casing information. Belton Unit Belton Unit Belton Unit Belton Unit Belton Unit LEASE Belton Unit Belton Unit AD-24 AD-28 WELL NO. ADI-18 AD-29 ADI-24 3(02) FROM (E)(10) SEC LINE ADI-26 AUS FROM (E) SEC LINE ADI-19 ADI-27 ADI-25 HOTHROM (E) SEC LINE 4195 FROM (E)(M) BEC LINE 300 FROM (B)(W) SEC LINE FROM (N)S) SEC LINE S40 FROM (N)(S) SEC LINE T54 FROM (N) SEC LINE TOS-ROM (E) SEC LINE FROM (N) SEC LINE FROM (E) SEC LINE SAO FROM (N) SEC LINE FROM (N) SEC LINE 9 T. 46 FROM (N)(S)S LOCATION T. 46 T. 46 N.R. 33W T. 46 N.R. 33W т. 46 N.R. 33W N.R. 33W N.R. 33W N.R. 33W N.R. 33W N.R. 33W K.R.E.D K.R.E.D OWNER K.R.E.D K.R.E.D K.R.E.D K.R.E. K.R.E.D K.R.E.D K.R.E.D 0 672.5 DEPTH 651.5 654.5 629 625 651.5 674.1" 650.5 662 TYPE 0 0 0 07/08/1999 SPUDDED 06/18/1999 12/27/2007 10/09/2003 09/16/2003 10/07/2003 09/17/2003 09/12/2003 01/04/2008 DATE 02/06/2008 07/14/1999 07/07/1999 10/10/2003 10/08/2003 09/17/2003 09/15/2003 09/19/2003 04/16/2008 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump 4 4 1/2" casing cemented to surface 4 4 1/2" casing cemented to surface 4 1/2" casing cemented to surface CONSTRUCTION

MO 780-1136 (02-11

T. 46

N.R. 33W

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LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Be <mark>l</mark> ton Unit	ADI-30	뀨뀨	K.R.E.D.	627.7'	-	12/19/2007	04/16/2008	4 1/2" casing cemented to surface
Belton Unit	ADI-31	FROM (E)W	K.R.E.D	633'	_	05/27/1999	06/04/1999	4 1/2" casing cemented to surface
Belton Unit	ADI-32	871 FROM (NO)	K.R.E.D	649'		C	<u>_</u>	4 1/2" casing cemented to surface
Belton Unit	ADI-33	ADI-33 SEC. 9 T. 46 N.R. 33W	K.R.E.D	642'	_	<	C	4 1/2" casing cemented to surface
Belton Unit	ADI-34	FROM (N)	K.R.E.D	663	-	<	C	4 1/2" casing cemented to surface
Belton Unit	ADI-37	ADI-37 THE SEC. 9 T 46 N.R. 33W	K.R.E.D	618.2	_	12/13/2007	04/16/2008	4 1/2" casing cemented to surface
Belton Unit	ADI-38	1760 FRO	K.R.E.D	668.9"	-	12/17/2007	04/16/2008	4 1/2" casing cemented to surface
Belton Unit	ADI-39	441 FRO 4055 FRO	K.R.E.D	631'	_	C	<i>C</i>	4 1/2" casing cemented to surface
Belton Unit	ADI-40	441 FROM (N)S) BEC LINE  1465 FROM (E) (M)SEC LINE  SEC. 9 T. 46 N.R. 33W	K.R.E.D	664'	_	<		4 1/2" casing cemented to surface

## NSTRUCTIONS

specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or n the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete the following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other

completion of information, detailing the cement, casing, and subsurface casing information.

Completion of Information,		מווטוו, שכנמווווש מוכ סכוווסווג,	9, 9, 9	0000000	9 0000			
LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	DATE	CONSTRUCTION
Belton Unit	=		K.R.E.D.	600' est	-	<i>C</i>	<	4 1/2" casing cemented to surface
Belton Unit	OH-1	SEC. 16 T. 46 N.R. 33W	K.R.E.D	600' est	0	<b>C</b>	<b>C</b>	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	ОН-2	321 FROM (∅)(S) SEC LINE 3051 FROM (E)(∅) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	600' est	0	<	<u></u>	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	ОН-3	137 FROM (D/S) SEC LINE 340% FROM (E)(D) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	600' est	0	<	<u></u>	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	OH-4	3516 FROM (D)(S) SEC LINE 3516 FROM (E)((D)SEC LINE SEC. 16 T 46 N.R. 33W	K.R.E.D	600' est	0	<		4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	ОН-5	833 FROM (A)(S) SEC LINE 2)(2) FROM (E)(A) SEC LINE SEC. 16 T 46 N.R. 33W	K.R.E.D	600' est	0	<b>C</b>	<	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Belton Unit	0Н-6	919 FROM (N)(S) SEC LINE 511 6-ROM (E)(N) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	600' est	Plugged	<u></u>	<	Squeezed cement into formation to surface
Belton Unit	OH-7	ROM (E) (S	K.R.E.D	600' est	Plugged	<	C	Squeezed cement into formation to surface
Belton Unit	OH-8	138 FROM (N)(S) SEC LINE 138 FROM (E)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	600 est	Plugged	_	V	Squeezed cement into formation to surface

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ompletion of information, detailing the cement, casing, and subsurface casing information.

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LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Belton Unit	9	SEC 16 T 46 NR 33W	K.R.E.D.	600' est	600' est Plugged	<b>C</b>	V	Squeezed cement into formation to surface
Belton Unit	UK-1	1520 FROM (N. S) SEC LINE 1300 FROM (E)W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	С	Plugged	<u></u>	<	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/17/2012
Belton Unit	UK-2	1970 FROM (N) SECLINE 1970 FROM (P) (W) SECLINE 1860 16 1 46 NR 33W	K.R.E.D	С	Plugged	<u>ر</u>	C	4 1/2" casing cemented to surface Squeezed cement into formation to surface on 04/17/2012
Belton Unit	UK-3	8 8	K.R.E.D	С	0	C	C	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Clark-Berry	CB-1	TEMORONO SECLINE  PIST FROM (E) SECLINE  TO 16 TAS N. B. 33W	K.R.E.D	625'	0	03/22/1999	<	2 7/8" with 1" tubing and insert pump
Clark-Berry	CB-2	3774 FROM (E) (M) SEC LINE 3004 FROM (E) (M) SEC LINE SEC 16 T.46 N.R. 33W	K.R.E.D	625'	0	C	~	2 7/8" with 1" tubing and insert pump
Clark-Berry	CB-3	SEC 16 T.46 N.R.33W	K.R.E.D	625'	0	03/25/1999	03/30/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Clark-Berry	CB-4	7814 FROM (2)(5) SEC LINE 34724 FROM (E)(6) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D	619'	0	03/30/1999	04/02/1999	4 1/2" casing cemented to surface 2 3/8" tubing 3/4" rods and insert pump
Clark-Berry	CBI-1		K.R.E.D	629'	_	03/22/1999	03/25/1999	4 1/2" casing cemented to surface

## ISTRUCTIONS

the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete leave name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or

ompletion of information, detailing the cement, casing, and subsurface casing information.

ompletion o	Informa	ompletion of information, detailing the certain, casing, and sassanass	casilly, alla	300301100	000000000000000000000000000000000000000	DATE:	DATE	
LEASE	WELL NO.	LOCATION	OWNER	DEPTH	TYPE	SPUDDED	COMPLETED	CONSTRUCTION
Clark-Berry	CBI-2	348 FROM (N)(S) SEC LINE CBI-2 SA-33 FROM (E)(W) SEC LINE	K.R.E.D.	634'	-	04/02/1999	04/07/1999	4 1/2" casing cemented to surface
		FROM (E)(W) SEC LINE						
		FROM (N)(S)						
		FROM (E)(W) SEC LINE						
		FROM (E)(W) SEC LINE						
		FROM (E)(W) SEC LINE						
		FROM (E)(W						
		SEC. T. N.R.						
		FROM (E)(W) SEC LINE FROM (E)(W) SEC LINE SEC. T. N.R.						

the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete le following: lease name, well number, location, owner, depth in feet, type of well (Oil = 0, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or ompletion of information, detailing the cement, casing, and subsurface casing information.

nmnletion of i	nforma	numbers of information, detailing the cement, casing, and subsurface casing information.	casing, and s	ubsurface	e casing in	formation.		
LEASE	WELL	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE	CONSTRUCTION
Belton Unit	<u> </u>	5100 FROM (N) (SEC LINE 3174 FROM (E) W) SEC LINE SEC 16 T. 46 N.R. 33W	K.R.E.D	643'	Plugged	03/08/2012	Not	Set 21 feet of 8 5/8" surface pipe Squeezed cement from 643' to surface to plug well on 04/17/2012
Belton Unit	R-27	ROM (N)(S)	K.R.E.D	700'	0	04/06/2012		685' of 2 7/8" casing cemented to surface
Belton Unit	R-28	3814 FROM (D) SEC LINE 3814 FROM (D) M) SEC LINE SEC 16 1.46 N.R. 33W	K.R.E.D	681'	0	04/10/2012	-	656' of 2 7/8" casing cemented to surface
Belton Unit	R-29	SEC. 16 T. 46 N.R. 33W	K.R.E.D	750'	0	03/24/2012	05/10/2012	740' of 4 1/2" casing cemented to surface
Belton Unit	R-30	SEC. 16 T. 46 N.R. 33W	K.R.E.D.	750'	0	03/23/2012	04/30/2012	697' of 4 1/2" casing cemented to surface
Belton Unit	R-31	FROM (N)(E)SEC LINE  HOW FROM (E)W) SEC LINE  SEC. 16 T. 46 N.R. 33W	K.R.E.D	750'	0	03/27/2012	04/27/2012	740' of 4 1/2" casing cemented to surface
Belton Unit	R-32	247 FROM (N) (S) SEC LINE (F) (M) SEC LINE (F) (M) SEC LINE (F) (M) SEC LINE (F) (M) SEC. 16 T. 46 N.R. 33W	K.R.E.D.	750'	0	03/14/2012	05/25/2012	743' of 4 1/2" casing cemented to surface
Belton Unit	R-33	7729FROM (N)(6) SEC LINE 74 7 ROM (B)(W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	700'	0	03/21/2012	05/10/2012	663' of 4 1/2" casing cemented to surface
Belton Unit	R-36	SEC. 16 T. 46 N.R. 33W	K.R.E.D	760'	0	04/02/2012	04/30/2012	733.5' of 4 1/2" casing cemented to surface
MO 780-1136 (02-11)								

specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or ampletion of information detailing the cament, casing, and subsurface casing information. the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete need following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other ISTRUCTIONS

omnletion of in	ompletion of information, detailing the cement, casing, and subsurface casing information.	casing, and s	ubsurface	casing in	formation.		
LEASE W	WELL LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	DATE	CONSTRUCTION
nit	R-41 3 740 FROM (D(W) SEC LINE	K.R.E.D	643'	0	06/12/2012	Not	of 4 1/2" casing cemented to surface
	SEC. 16 T. 46 N.R. 33W					Comp Kt	
Belton Unit F	R-42 3310 FROM (D)W) SEC LINE	K.R.E.D	980'	0	06/06/2012	<u>—</u>	687' of 4 1/2" casing cemented to surface
Belton Unit	2 (V)	K.R.E.D	770'	0	05/09/2012	05/30/2012	740' of 4 1/2" casing cemented to surface
Belton Unit	330 D FROM (N)(S) SEC LINE R-44 2 S 7 D FROM (B)(W) SEC LINE SEC 16 T 46 N.R. 33W	K.R.E.D	760'	0	05/11/2012	05/31/2012	727' of 4 1/2" casing cemented to surface
Belton Unit	2744 FROM (N) (D) SEC LINE R-47 2583 FROM (E) W) SEC LINE SEC 16 T 46 N R 33W	K.R.E.D.	760'	0	05/08/2012	06/01/2012	728' of 4 1/2" casing cemented to surface
Belton Unit	2-146 FROM (N) EDEC LINE R-48 3-587 FROM (E) W) SEC LINE SEC. 16 T.46 N.R. 33W	K.R.E.D	770'	0	07/18/2012	Not	750' of 2 7/8" casing cemented to surface
Belton Unit	R-49 ANY FROM (N) SEC LINE  R-49 SEC 16 T 46 N.R. 33W	K.R.E.D.	730'	0	06/30/2012		718' of 2 7/8" casing cemented to surface
Belton Unit	105 6 FROM (N) SEC LINE R-51 3516 FROM (E) (W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	730'	0	06/08/2012	~	700' of 4 1/2" casing cemented to surface
	FROM (N)(S) SEC LINE FROM (E)(W) SEC LINE SEC. T. N.R.						

the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete e following: lease name, well number, location, owner, depth in feet, type of well (Oil = 0, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or smpletion of information, detailing the cement, casing, and subsurface casing information.

mnletion of	informa	impletion of information, detailing the cement, casing, and subsurface casing information.	casing, and s	ubsurface	casing in	formation.		
LEASE	WELL	LOCATION	OWNER	DEPTH	TYPE	DATE SPUDDED	COMPLETED	CONSTRUCTION
Init	RW-22	RW-22 1087 FROM (N)(6) BEC LINE	KRED	730'	_	06/01/2012	20th	696' of 2 7/8" casing cemented to surface
Belton Unit	RW-23	RW-23 16 T 46 N.B. 33W	K.R.E.D.	730'	-	05/22/2012		691' of 2 7/8" casing cemented to surface
Belton Unit	RW-24	FROM (NO)SEC LINE FROM (EXW) SEC LINE SEC 16 T 46 NR 33W	K.R.E.D.	730'	( <del></del> )	05/30/2012	No+	565' of 2 7/8" casing cemented to surface
Belton Unit	RW-25	5114 FROM (N)S) SEC LINE RW-25 834 FROM (E) W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	750'	_	05/18/2012	07/06/2012	711' of 2 7/8" casing cemented to surface
Belton Unit	RW-26	1913 FROM (N)(5) BEC LINE 1945 FROM (E)W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	730'	_	05/23/2012	07/17/2012	692" of 2 7/8" casing cemented to surface
Belton Unit	RW-27	RW-27 SEC. 16 T. 46 N.R. 33W	K.R.E.D.	730'	_	05/29/2012	07/17/2012	682' of 2 7/8" casing cemented to surface
Belton Unit	RW-37	S176 FROM (N) SEC LINE RW-37 3308 FROM (E) W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	720'	_	05/14/2012	07/09/2012	695' of 2 7/8" casing cemented to surrace
Belton Unit	RW-38	5130 FROM (N)(OBEC LINE RW-38 3341 FROM (DM) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	730'	_	07/03/2012	Not	687' of 2 7/8" casing cemented to surface
Belton Unit		RW-3977 TO FROM (N) (SEC LINE RW-3977 TO FROM (E) W) SEC LINE SEC. 16 T. 46 N.R. 33W	K.R.E.D.	720'	-	05/16/2012	07/09/2012	686' of 2 7/8" casing cemented to surface
100 200 200 00	1							

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Obstantial Control Con	Complete	06/30/2012	_	730'	K.R.E.D.	RW-50 23 WFROM (N) SEC LINE SEC. 16 T. 46 N.R. 33W	Belton Unit
office of 2/0" coning comparted to surface	757	00,000	-	700	7.7.17.17.17.17.17.17.17.17.17.17.17.17.	RW-490-11 T. 46 N.R. 33W	Belton Unit
675' of 2 7/8" casing cemented to surface	07/17/2012	06/13/2012	X	720'	; ; ;	FROM (N) SEC LINE	
	4	07/13/2012	_	730'	K.R.E.D.	RW-48 FROM CO(W) SEC LINE SEC. 16 T. 46 N.R. 33W	Belton Unit
681' of 2 7/8" casing cemented to surface						HZHE FROM (N) SEC LINE	
689° of 2 7/8" casing cemented to surface		07/13/2012	_	730'	K.R.E.D.	RW-47 27 39 T 46 NR 33W	Belton Unit
		07/13/2012	_	730'	K.R.E.D.	RW-46 3184 FROM (DW) SEC LINE SEC. 16 T. 46 N.R. 33W	Belton Unit F
687' of 2 7/8" casing cemented to surface						SEC. 16 T. 46 N.R. 33VV	
684: Of Z //8 casing cemented to surface		07/11/2012	-	730'	K.R.E.D.	RW-45 3173 FROM (N) SEC LINE	Belton Unit F
on the state of th						SEC. 16 T. 46 N.R. 33W	
690' of 2 //8" casing cemented to surface	204	06/28/2012	_	730'	K.R.E.D.	RW-44318 FROM (IN)(S) SEC LINE	Belton Unit F
						SEC. 16 T. 46 N.R. 33W	
	07/17/2012	06/14/2012	-	700'	K.R.E.D.	RW-43 135 FROM (B)(W) SEC LINE	Belton Unit R
672' of 2 7/8" casing cemented to surface		(				SEC. TO 1. 40 N.R. JUNE	
	Samo		-	730	7.7.0.0.	RW-48 46 - 46 33W	Belton Unit R
687' of 2 7/8" casing cemented to surface	70+	07/03/2012	-	730'	7 0 0	5105 FROM (N) SEC LINE	
CONSTRUCTION	COMPLETED	DATE SPUDDED	TYPE	DEPTH	OWNER	WELL LOCATION	LEASE
		nformation.	casing in	subsurface	casing, and s	ompletion of information, detailing the cement, casing, and subsurface casing information.	ompletion of in

pecify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other

malation of i	nforma	malation of information detailing the cement, casing, and subsurface casing information	casing, and s	ubsurface	casing in	formation.		
LEASE	WELL	LOCATION	OWNER	DEPTH	TYPE	DATE	COMPLETED	CONSTRUCTION
nit	AD 9-2	500 FROM (N)(D)SEC LINE	K.R.E.D.	760'	0	03/30/2012	05/07/2012	741' of 4 1/2" casing cemented to surface
Belton Unit	AD11-2	AD11-2 SEC. 9 T. 40 N.K. SOW AD0 FROM (N) SEC LINE AD11-2 FROM (D) W) SEC LINE	K.R.E.D.	750'	0	03/12/2012	04/27/2012	737' of 4 1/2" casing cemented to surface
Belton Unit	AD16-2	AD16-2 DXL FROM (B)(W) SEC LINE	K.R.E.D.	760'	0	03/28/2012	04/27/2012	739' of 4 1/2" casing cemented to surface
Belton Unit	AD-20	T. 46 FROM (N)(C	K.R.E.D	760'	0	03/29/2012	06/11/2012	740' of 4 1/2" casing cemented to surface
Belton Unit	AD-26	1960 FROM (B)(W) SEC LINE	K.R.E.D	770'	0	04/05/2012	06/13/2012	745' of 4 1/2" casing cemented to surface
Belton Unit	AD-27	SEC. 9 T.46 N.R. 33W  14 5 FROM (N) SEC LINE  14 14 FROM (E) W) SEC LINE  15 FROM (E) W) SEC LINE  16 N.R. 33W	K.R.E.D.	760'	0	03/30/2012	06/13/2012	741' of 4 1/2" casing cemented to surface
Belton Unit	AD-31	FR FR	K.R.E.D.	701'	0	04/12/2012	Complete	688" of 2 7/8" casing cemented to surface
Belton Unit	AD-32	SEC. 9	K.R.E.D.	760'	0	04/06/2012	06/28/2012	745' of 4 1/2" casing cemented to surface
Belton Unit	AD-33	H35FRG H470FRG	K.R.E.D.	760'	0	04/03/2012	07/04/2012	741' of 4 1/2" casing cemented to surface

## NSTRUCTIONS

specify), date spudded, date completed, and construction of the well. Give a brief but accurate description of the well's construction including all plugging and/or ompletion of information, detailing the cement, casing, and subsurface casing information. n the grid below, place the descriptions of area of review wells (1/2 mile radius around well) of public record that penetrate the proposed injection zone. Complete ne following: lease name, well number, location, owner, depth in feet, type of well (Oil = O, Gas = G, Water = W, Injection = I, Strat Test = S, Unknown = U, Other

												Belton Unit			Belton Unit		Belton Unit		Belton Unit			Belton Unit		LEASE
												ADI-42			AD-34		AD 5-2		AD 4-2			AD 3-1		WELL NO.
SEC. T. N.R.	FROM (E)(W) SEC LINE	SEC. T. N.R.	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC. T. N.R.	FROM (E)(W) SEC LINE	FROM (N)(S) SEC LINE	SEC. T. N.R.	FROM (E)(W) SEC LINE	RO	SEC. 9 T. 46 N.R. 33W	HYW FROM () (W) SEC LINE	FROM (N)	SEC. 9 T. 46 N.R. 33W	AD-34 DHO FROM (N)(1) SEC LINE	SEC. 9 T. 46 N.R. 33W	AD 5-2 FROM (N) SEC LINE	SEC. 9 T. 46 N.R. 33W	AD 4-2 LIRS FROM (N) SEC LINE	256 FROM (N)(6) SEC LINE	SEC. 9 T. 46 N.R. 33W	AD 3-1 SHEROM (E)(W) SEC LINE	268 FROM (N)(6) SEC LINE	LEASE WELL LOCATION OWNER DEPTH TYPE SPUDDED
												K.R.E.D			K.R.E.D		K.R.E.D.		K.R.E.D.			K.R.E.D.		OWNER
												730'			700'		770'		770'			770'		DEPTH
												_			0		0		0			0		TYPE
												07/19/2012			05/04/2012		06/20/2012		06/22/2012			06/15/2012		SPUDDED
											7.5.	1 slama)	乙のイ		07/09/2012	4	_				Co local or	つりいまち	この十	COMPLETED
												^	686' of 2 7/8" casing cemented to surface		686' of 4 1/2" casing cemented to surface		721. 01 4 1/2 casing centented to surface			724' of 4 1/2" casing cemented to surface			713' of 4 1/2" casing cemented to surface	CONSTRUCTION

## AFFIDAVIT OF PUBLICATION

(Space above for recording information)

STATE OF MISSOURI COUNTY OF CASS

I. Janis Anslinger, being duly sworn accordu that I am the Classified Ad Manager of the Cass Co Missourian, a weekly newspaper of general ci County of Cass, State of Missouri, where newspaper has been admitted to the Post Office publication, which new spaper has been published bonafide saliganbers sufuntarily engaged as s paid or agreed to pay a state! price for a sub-

the follow Finser on	val <u>Ba</u>	utive 1550es No <u>37</u> 29	June 2017
la (nyering	V 1		_day of
Macarlos		Nr.	_ day 01
Stancreton.	VI		diviol

artas Resource Exploration & Development, 110, 9993 W 17 St., Ste 500, Overland Park, KS.
on applies for 32 injection well permits to be drilled to an effortmate depth of 550 feet.
The wall be injected into the Source! Sandstone formation for J Enhanced Oil Recovery Project &c. 65,210 via applied for 32 injection well p the frallowing locations

86W 71 5,095' from 5 line/1,867' from Elline, Section 16, Todahip 46N, Range 33W #RW-72 3.851 from S line/3,199 from E line, Section 16, Eviship 46N, Range 33W FRW-73 842 from S line/3,195 from E line, Section 26, 2whichip 46N, Range 33W aRW-74 3.858 from 5 line/1.765 from Eline, Section 16,0wnship 46N, Range 33W ARW 75 3.847 from 5 line/2.763 from E line, Section 16 ownship 46N, Range 33W 76 3.478 from 5 line/3.198 from E line, Section 16 ownship 46N, Range 33W #RW-77 3,473 from 5 line/3,190 from E line, Section 15, ownship 46N, Range 33W #8W-76 3.475 from \$ line/2.767 from £ line. Section 16.ownship 45N, Range 33W aRW-79 3.468 from \$ line/2.761 from £ line. Section 16.ownship 46N, Range 33W HRW-80 3.113 from 5 line/2,761 from 6 line. Section 16,0woship 46N, Range 33W aRW-81 3.106 from 5 line/3,182 from 6 line. Section 16 owrship 46N, Range 33W aRW-81 3.106 from 5 line/3,176 from 6 line, Section 16 ownship 46N, Range 33W aRW-82 3.116 from 5 line/2,785 from 6 line, Section 16 ownship 46N, Range 33W aRW-82 3.116 from 5 line/2,785 from 6 line. Section 16 ownship 46N, Range 33W aRW-82 3.116 from 5 line/2,785 from 6 line. BRW 83 3,107 from S line \$2,778 from Eline, Section 16Township 46N, Range 33W MADI-2 2,615' from \$ line/2,107' from £ line, Section 9, lwnship 46N, Range 33W MADI-2 2-2,610' from \$ line/2,105' from £ line, Section grownship 46N, Range 33W RADI 3 2 614 from 3 line/1,695 from 5 line, Section 9, whiship 46N, Range 33W RADI 3-2 2,510 from 5 kine/1,692 from 6 line, Section cTownship 46N, Range 33W #ADI-4 2.628 from 5 line/1,280 from Eline, Section 9, 5wpship 46N, Range 33W #ADI-4 2.528 from 5 line/1,275 from Eline, Section 9 Township 46N, Range 33W #ADI 5 2,183 from \$ line/2,119 from £ line, Section 9, Ownship 46N, Range 33W 9ADI 9 2 2.739 from 5 line/2,115 from E line. Section , Township 45M, Range 33W #ADI 10 7, 2179 from 5 line/1,695 from E line, Section (Township 46N, Range 33W #ADI 10 2,2197 from 5 line/1,695 from E line, Section (Township 46N, Range 33W #ADI 10 2,2197 from 5 line/1,690 from E line, Section9, Township 46N, Range 33W #ADI 11 2,7107 from 5 line/1,287 from E line, Section 1 Township 46N, Range 33W RADE 11 2, 210° from 5 line/1,287° from E line, Section 1 Township 46N, Range 33W RADE 12 2,206° from 5 line/1,285° from E line, Section 3 Township 46N, Range 33W RADE 16 1,719° from 5 line/1,105° from E line, Section 3 Township 46N, Range 33W RADE 16 1,719° from 5 line/1,105° from E line, Section 9 Township 46N, Range 33W RADE 17 1,750° from 5 line/1,700° from E line, Section 9 Township 46N, Range 33W RADE 17 2,750° from 5 line/1,700° from E line, Section 9 Township 46N, Range 33W RADE 17 3 1,749° from 5 line/1,605° from E line, Section 9. Township 46N, Range 33W RADE 23 1,749° from 5 line/2,067° from E line, Section 7. Township 46N, Range 33W RADE 23 1,749° from 5 line/2,067° from E line, Section 6. Township 46N, Range 33W RADE 23 2,748° from 5 line/2,067° from E line, Section 7. Township 46N, Range 33W

ents or requests for usaring all information regarding such wells should be directed within fifteen (15) days of this notice to the address below

State Geologist V Missouri Oil & Sas Council Rolls, MO 55401

Lunis Instinger Classified Ad Manuon Subscribed and swom to before me on this 39 day of

June mia

JULIE M. HIČKS
Notary Public, Notary Seal
State of Missouri
Cass County
Commission # 09727108
My Commission Expires June 12, 2013

## MISSOURI Mechanical Integrity Test

Test Date: 2/1/2013									
Operator: Kansas Resources Exploration & Development, LLC 9393 W. 110th St. Ste. 500									
Overland Park, Kansas 66210  Contact: Brad Kramer  Phone: 913-669-2253									
Lease: Belton U County: Cass	<u>nit</u>	Well No.: _ Permit No.: _	RW72 20,981						
	TEST	INFORMAT	ION						
Pressure X	Radioactive	Tracer Survey	Г	Cemperature Survey					
	Run #1	Run #2	Run #3	Run #4					
Start Time:	1:00								
End Time:	1:30								
Length of Test:	30 min								
Initial Pressure (PSI):	530 #								
Ending Pressure (PSI):	520 #								
Pressure Change:	10 #								
Fluid Used For Test (water			ir						
Perforations: Well N	Not Perfec	l Yet							
Comments: Pressured Casi	X .433 = ng up to !								
The bottom of the tested zo In signing the form below, integrity on the test date sho	it is certified th								
ignature Robert Road Contractor									
Operator, Contact Person or Approved Agent Title									
FOR INTERNAL USE ONLY									
Results were: Satisfactory>	Not Satisfacto	ory	Computer Updat	e: <del>X</del>					
Remarks:  State Agent: SAUFR	Witnessed	YesNo_	/						
!! FILE WITH PERMIT!!									